

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	21	ink\$1jet and (tail with release)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 10:16
S2	3	ink\$1jet and (droplet with tail with release)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 10:19
S3	0	("2007/0085878").URPN.	USPAT	OR	ON	2008/03/14 10:20
S4	305	ink\$1jet and (droplet with release)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 10:20
S5	5	(US-20060243387-\$).did. or (US-6273552-\$ or US-6250740-\$ or US-5548894-\$).did. or (WO-2005042257-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2008/03/14 12:30
S6	8	("5189437"   "5208604"   "5305018"   "5312517"   "5389954"   "5408738"   "5408739"   "5417897").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/14 12:34
S7	29	("5548894").URPN.	USPAT	OR	ON	2008/03/14 12:34
S8	8	S6 not S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 12:35
S9	29	S7 not S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 12:35
S10	385	347/74	USPAT	OR	ON	2008/03/14 13:19
S11	3	(US-7178903-\$ or US-5984446-\$ or US-5801739-\$).did.	USPAT	OR	ON	2008/03/14 15:08

S12	31	("1941001"   "20040104970" "20050157084"   "3373437"   "3596275"   "3683212"   "3747120"   "3946398"   "4032929"   "4210920"   "4459601"   "4460905"   "4490728"   "4576111"   "4584590"   "4633267"   "4723131"   "4737802"   "5160945"   "5734394"   "5812159"   "5828394"   "5903380"   "5982521"   "6174050"   "6325488"   "6435666"   "6460966"   "6623108").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/14 15:08
S13	0	("7178903").URPN.	USPAT	OR	ON	2008/03/14 15:08
S14	29	("1941001"   "3373437"   "3416153"   "3790703"   "3946398"   "4164745"   "4166277"   "4275290"   "4293865"   "4312009"   "4314263"   "4490728"   "4580158"   "4635078"   "4672432"   "4710780"   "4737803"   "4748458"   "4751532"   "4751533"   "4752783"   "5150454"   "5363175"   "5371527"   "5594860"   "5815178").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/14 15:09
S15	16	"347"/\$.ccls. and ink\$1jet and (droplet with tail with break)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 15:18
S16	0	"29"/\$.ccls. and ink\$1jet and (droplet with tail with break)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 15:46
S17	0	"29"/\$.ccls. and ink\$1jet and (droplet with tail with (break or release))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 15:46
S18	16	"347"/\$.ccls. and ink\$1jet and (droplet with tail with (break or release))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 15:47

S19	0	S15 not S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 15:47
S20	0	S18 not S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 15:47
S21	0	"216"/\$.ccls. and ink\$1jet and (droplet with tail with (break or release))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 16:20
S22	0	"377"/\$.ccls. and ink\$1jet and (droplet with tail with (break or release))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 16:21
S23	1	"422"/\$.ccls. and ink\$1jet and (droplet with tail with (break or release))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 16:21
S24	2	ink\$1jet and (droplet with tail with (break or release)) and ((nozzle or orifice or aperture or opening) with (recess or spur or burr or projection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 16:26
S25	1	(US-6527370-\$).did.	USPAT	OR	ON	2008/03/14 16:51
S26	6	("6527370").URPN.	USPAT	OR	ON	2008/03/14 16:52
S27	0	("6527370").URPN. and ink \$1jet and (droplet with tail with (break or release)) and ((nozzle or orifice or aperture or opening) with (recess or spur or burr or projection))	USPAT	OR	ON	2008/03/14 16:53
S28	0	("6527370").URPN. and tail and recess	USPAT	OR	ON	2008/03/14 16:54

S29	16	("4550326"   "4675083"   "4791436"   "4829319"   "4967208"   "5291226"   "5305015"   "5442384"   "5451993"   "5896153"   "6176571"   "6276057"   "6290331"   "6302523"   "6305782"   "6310641").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/14 17:06
S30	1	("4550326"   "4675083"   "4791436"   "4829319"   "4967208"   "5291226"   "5305015"   "5442384"   "5451993"   "5896153"   "6176571"   "6276057"   "6290331"   "6302523"   "6305782"   "6310641").PN. and (tail with (break or rewlease))	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/14 17:10
S31	43	("4550326").URPN.	USPAT	OR	ON	2008/03/14 17:11
S32	6	("4550326").URPN. and (tail with (break or release))	USPAT	OR	ON	2008/03/14 17:12
S33	3	(US-6938988-\$ or US- 6527370-\$ or US-6527369-\$). did.	USPAT	OR	ON	2008/03/14 17:29
S34	21	ink\$1jet and (droplet with release) and (triangular or wedge)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:22
S35	0	"347"/\$.ccls. and ink\$1jet and (droplet with release) and (triangular or triangle or wedge) and (concentric with (orifice or aperture))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:33
S36	0	"29"/\$.ccls. and ink\$1jet and (droplet with release) and (triangular or triangle or wedge) and (concentric with (orifice or aperture))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 08:33
S37	16	("4550326"   "4675083"   "4791436"   "4829319"   "4967208"   "5291226"   "5305015"   "5442384"   "5451993"   "5896153"   "6176571"   "6276057"   "6290331"   "6302523"   "6305782"   "6310641").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 08:38

S38	4	("4550326"   "4675083"   "4791436"   "4829319"   "4967208"   "5291226"   "5305015"   "5442384"   "5451993"   "5896153"   "6176571"   "6276057"   "6290331"   "6302523"   "6305782"   "6310641").PN. and (break or tail)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/18 08:46
S39	1	("4550326").URPN. and (triangle or triangular or wedge) with nozzle	USPAT	OR	ON	2008/03/18 08:57
S40	49	"29"/\$.ccls. and (nozzle with inside with shape)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:03
S41	164	"347"/\$.ccls. and (nozzle with inside with shape)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 09:10
S42	0	"347"/\$.ccls. and (nozzle with inside with pyramidal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 12:43
S43	0	"29"/\$.ccls. and (nozzle with inside with pyramidal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 12:44
S44	9	"29"/\$.ccls. and (nozzle with pyramidal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 12:44
S45	15	"347"/\$.ccls. and (nozzle with pyramidal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 12:44
S46	21	"1" and S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 12:45

S47	1	(US-20070058010-\$).did.	US-PGPUB	OR	ON	2008/03/18 13:24
S48	9	"6527370"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 13:42
S49	1	(US-6527370-\$).did.	USPAT	OR	ON	2008/03/18 13:42
S50	98274	leonard diana	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 14:34
S51	112	leonard and diana	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 14:35
S52	1	leonard near diana	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 14:35
S53	12	"347"/\$.ccls. and ((opening or orifice or nozzle) with (cusp or cusped))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 14:43
S54	15	"29"/\$.ccls. and ((opening or orifice or nozzle) with (cusp or cusped))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 14:44
S55	0	S53 and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 14:44
S56	27	S53 or S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 14:45

S57	25	S53 or S54 and @pd<="20031104"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/18 14:46
S58	1	(US-6527369-\$).did.	USPAT	OR	ON	2008/03/18 14:56
S59	0	("2007/0058010").URPN.	USPAT	OR	ON	2008/03/18 15:52
S60	2	("6878298").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/19 07:36
S61	1	(US-6878298-\$).did.	USPAT	OR	ON	2008/03/19 07:36
S62	8	("6527369"   "6527370"   "6878298"   "6938988").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 10:30
S63	2	"20070085878".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 10:41
S64	22	("4550326"   "4675083"   "4791436"   "4829319"   "4967208"   "5291226"   "5305015"   "5442384"   "5451993"   "5896153"   "6176571"   "6276057"   "6290331"   "6302523"   "6305782"   "6310641").PN. OR ("6527370").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/21 11:53
S65	3	((("4550326"   "4675083"   "4791436"   "4829319"   "4967208"   "5291226"   "5305015"   "5442384"   "5451993"   "5896153"   "6176571"   "6276057"   "6290331"   "6302523"   "6305782"   "6310641").PN. OR ("6527370").URPN.) and ((tail) with (release or releasing or break or breaking))	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/21 11:57

S66	1	((("4550326"   "4675083"   "4791436"   "4829319"   "4967208"   "5291226"   "5305015"   "5442384"   "5451993"   "5896153"   "6176571"   "6276057"   "6290331"   "6302523"   "6305782"   "6310641").PN. OR ("6527370").URPN.) and ((tail) with (release or releasing or break or breaking)) and @pd<="20021104"	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/21 11:57
S67	2	"347"/\$.ccls. and ((tail or drop or droplet) with (release or releasing) with (guide))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 12:39
S68	17	"347"/\$.ccls. and ((tail or drop or droplet) with (release or releasing) with (guide or spur or projection or point))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 12:41
S69	6	"347"/\$.ccls. and ((tail or drop or droplet) with (release or releasing) with (guide or spur or projection or point)) and @pd<="20021104"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 12:41
S70	3	"347"/\$.ccls. and ((tail or droplet) with (break\$3 or release or separat\$3)) and (triangular or triangle or wedge) and (concentric with (orifice or aperture))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 12:48
S71	12	"347"/\$.ccls. and ((tail or droplet) with (break\$3 or release or separat\$3)) and (triangular or triangle or wedge) and (concentric with (orifice or aperture or nozzle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 12:49
S72	5	"347"/\$.ccls. and ((tail or droplet) with (break\$3 or release or separat\$3)) and (triangular or triangle or wedge) and (concentric with (orifice or aperture or nozzle)) and @pd<="20021104"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 12:50

S73	108	"347"/\$.cls. and ((tail) with (break\$up or release or releasing or separat\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 13:00
S74	39	"347"/\$.cls. and ((tail) with (break\$up or release or releasing or separat\$3)) and @pd<="20021104"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 13:11
S75	7	"347"/\$.cls. and ((non \$symmetric\$2) with (orifice or nozzle or opening)) and @pd<="20021104"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 13:58
S76	7	"347"/\$.cls. and ((non \$symmetric\$2) with (orifice or nozzle or opening)) and @pd<="20021104" and @pd<="20021104"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 13:59
S77	9	"347"/\$.cls. and ((non \$symmetric\$2 or asymmetric \$2) with (opening)) with (nozzle or orifice)and @pd<="20021104"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 14:05
S78	129	"347"/\$.cls. and ((protrude or protrusion or project\$3) with (opening)) with (nozzle or orifice)and @pd<="20021104"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 14:21
S79	129	"347"/\$.cls. and ((protrude or protrusion or project\$3) with (opening)) with (nozzle or orifice) and @pd<="20021104"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 14:21
S80	2	"6299270".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/22 06:47

S81	19	"6312110".pn.   "5461406".pn.   "20020113848".pn.   "6457809".pn.   "20020145654".pn.   "20020080213".pn.   "6086196".pn.   "6286952".pn.   "6332667".pn.   "20020041318".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/22 06:52
S82	21	S80 or S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/22 06:53
S83	1	"61173947"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/22 06:53
S84	22	S82 or S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/22 06:54
S86	22	(US-20020145654-\$ or US-20020113848-\$ or US-20020080213-\$ or US-20020041318-\$).did. or (US-6457809-\$ or US-6332667-\$ or US-6312110-\$ or US-6299270-\$ or US-6286952-\$ or US-6086196-\$ or US-5461406-\$).did. or (JP-61173947-\$).did. or (US-20020145654-\$ or US-20020113848-\$ or WO-0232673-\$ or EP-1167474-\$ or US-6312110-\$ or EP-1020288-\$ or EP-919383-\$ or JP-11105294-\$ or EP-737585-\$ or EP-661158-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/01/24 11:21
S87	4	(droplet SAME tail SAME release SAME guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 11:53

S88	29	(droplet SAME tail SAME guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 11:54
S89	2075	(droplet or drop) SAME tail SAME (guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 11:54
S90	2051	(droplet or drop) SAME tail SAME (guide) and @pd<="20041025"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 11:56
S91	1389	(droplet or drop) SAME tail SAME (guide) and @pd<="20041025" AND (projection or projecting or burr or rough or recess protubrance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 11:58
S92	2	"347"/\$.cls. AND (droplet or drop) SAME tail SAME (guide) and @pd<="20041025" AND (projection or projecting or burr or rough or recess or protubrance or protrusion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:02
S93	2	("2004/0183860").URPN.	USPAT	OR	ON	2009/01/24 12:03
S94	9	((US-20020145654-\$ or US-20020113848-\$ or US-20020080213-\$ or US-20020041318-\$).did. or (US-6457809-\$ or US-6332667-\$ or US-6312110-\$ or US-6299270-\$ or US-6286952-\$ or US-6086196-\$ or US-5461406-\$).did. or (JP-61173947-\$).did. or (US-20020145654-\$ or US-20020113848-\$ or WO-0232673-\$ or EP-1167474-\$ or US-6312110-\$ or EP-1020288-\$ or EP-919383-\$ or JP-11105294-\$ or EP-737585-\$ or EP-661158-\$).did.) AND @pd<="20041025" AND (projection or projecting or burr or rough or recess or protubrance or protrusion)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/01/24 12:09

S95	3930	ink\$jet AND (nozzle or opening or aperture or hole) SAME (project or projecting or projection or guide) AND (perimeter or edge or rim) AND (break or break\$off or cut or disconnect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:23
S96	79	ink\$jet AND (nozzle or opening or aperture or hole) SAME (project or projecting or projection or guide) SAME (perimeter or edge or rim) SAME (break or break\$off or cut or disconnect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:24
S97	4	ink\$jet AND (nozzle or opening or aperture or hole) SAME (project or projecting or projection or guide) SAME (perimeter or edge or rim) SAME (break or break\$off or cut or disconnect) SAME (drop or droplet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:25
S98	1010	ink\$jet AND (nozzle or opening or aperture or hole) SAME (project or projecting or projection or guide or sharp or needle or protrusion) SAME (break or break\$off or cut or disconnect or guide or guided or guiding or guidance) SAME (drop or droplet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:33
S99	2436	347/20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:37
S100	1332	347/20 AND @pd<="20041025"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:37
S101	0	347/20 AND @pd<="20041025" AND (drop or droplet) SAME (break\$off with guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:43

S102	0	347/47 AND @pd<="20041025" AND (drop or droplet) SAME (break\$off with guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:43
S103	0	347/77 AND @pd<="20041025" AND (drop or droplet) SAME (break\$off with guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:44
S104	0	347/78 AND @pd<="20041025" AND (drop or droplet) SAME (break\$off with guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:44
S105	0	347/82 AND @pd<="20041025" AND (drop or droplet) SAME (break\$off with guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:44
S106	0	(347/82) AND @pd<="20041025" AND (drop or droplet) SAME (break\$off with guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:44
S107	0	("347"/\$.ccls.) AND @pd<="20041025" AND (drop or droplet) SAME (break\$off with guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:45
S108	262	("347"/\$.ccls.) AND @pd<="20041025" AND (drop or droplet) SAME (break\$off)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:45
S109	21	("347"/20) AND @pd<="20041025" AND (drop or droplet) SAME (break\$off)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:45
S110	15	("347"/47) AND @pd<="20041025" AND (drop or droplet) SAME (break\$off)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:49

S111	9	("347"/77) AND @pd<="20041025" AND (drop or droplet) SAME (break\$off)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:56
S112	19	("347"/78) AND @pd<="20041025" AND (drop or droplet) SAME (break\$off)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 12:58
S113	8	("347"/82) AND @pd<="20041025" AND (drop or droplet) SAME (break\$off)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 13:00
S114	262	("347"/\$.ccls.) AND @pd<="20041025" AND (drop or droplet) SAME (break\$off) not (S101 or S102 or S103 or S104 or S105)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 13:02
S115	212	("347"/\$.ccls.) AND @pd<="20041025" AND (drop or droplet) SAME (break\$off) not (S109 or S110 or S111 or S112 or S113)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/24 13:03
S116	1	("2003/0063163").URPN.	USPAT	OR	ON	2009/01/24 13:05

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